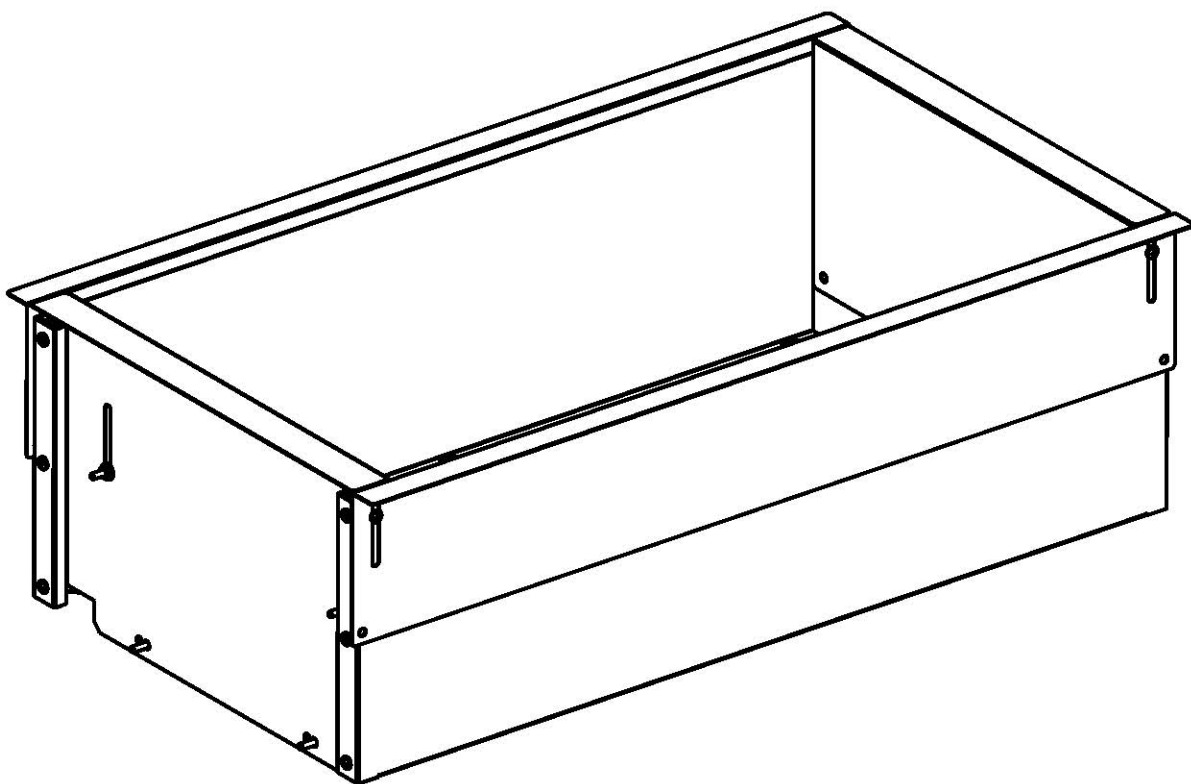


# Eaton® Heat Containment System (HCS) Chimney

## Installation Guide



*Powering Business Worldwide*

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## About this Guide


This document describes how to install the Eaton® HCS Chimney on an existing HCS chimney base. The instructions in this document apply to all HCS Chimney series models with the part numbers HCSCHM#####. These chimneys can only be installed on chimney base part numbers HCS####A or HCS####B.

### Audience

This document is intended for installers and/or personnel who are installing the Eaton HCS Chimney in your facility.

### General Conventions

Before you start the installation process, it is important to understand the conventions used in this publication.

Convention	Meaning
<b>Bold type</b>	Indicates notes, cautions or warnings that provide important information. Failure to follow these warnings may cause personal injury and/or product damage.
<i>Italic type</i>	Indicates titles of publications or information that the user must supply, such as filenames (if applicable).
<u>Underlined type</u>	Indicates links (if applicable).
1. Numbered lists	Indicates procedures that you must follow in a sequential order.
ACRONYMS	Defined at the first occurrence in the document. The acronym definition appears first followed by its acronym in parenthesis. For example: electrostatic discharge (ESD).
	<b>CAUTION:</b> Failure to comply with safety standards in handling your equipment may result in electrical shock.

### Documentation

This document can be obtained from our website at <http://www.wrightline.com> by following these procedures:

1. Click on the “Library” icon.
2. Click on the “Installation Manuals” link, and then select the “Data Center” option.
3. Under the Data Center section, go to the Airflow / Thermal section and click on the “HCS Chimney Installation Manual” documentation link to view this manual.



## Chapter 1 Before you Begin

### Introduction

This chapter describes the tools you will need and the requirements that must be met prior to installing the Eaton HCS Chimney.

### Tools you Will Need

You will need the following tools to successfully install the HCS Chimney:

- Common installation tools
- Utility knife
- #2 Phillips screwdriver bit

### Prerequisites

Prior to installing the HCS chimney, the following requirements must be met:

- Install the HCS chimney base
- Ensure there is adequate clearance between the chimney base and the ceiling
- There must be an exhaust vent hole no larger than 17" x 23" above the chimney base
- Unpack all chimney components
- Ensure you have common installation tools including a utility knife and a #2 Phillips screwdriver





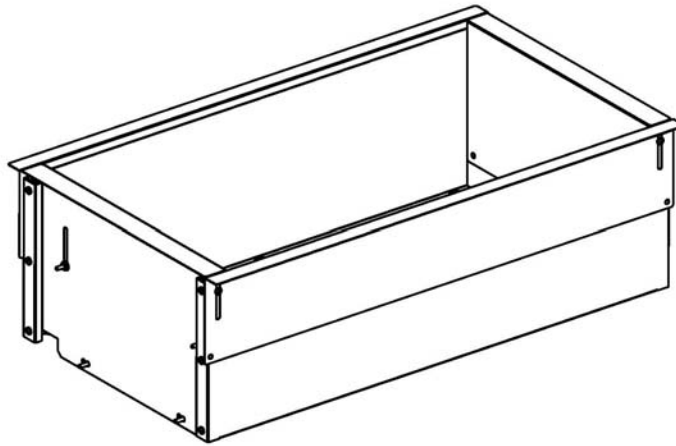
## Chapter 2 Installing the HCS Chimney

### Introduction

This chapter describes how to install the HCS Chimney on an existing HCS chimney base within an Eaton heat containment system equipped enclosure. The Eaton HCS efficiently isolates exhaust and intake airflows. Hot air is directed up and away from equipment to the computer room air conditioning (CRAC) system or overhead air plenum; hence, intake air is not contaminated with exhaust air.

The chimney installation applies to all HCS Chimneys with model numbers HCSCHM####. The chimneys can only be installed on chimney base part numbers HCS####A or HCS####B.

For chimney dimensions, refer to the “Chimney Dimensions” table in this chapter.



Chimney  
Model 17501241 Shown

### In this Chapter

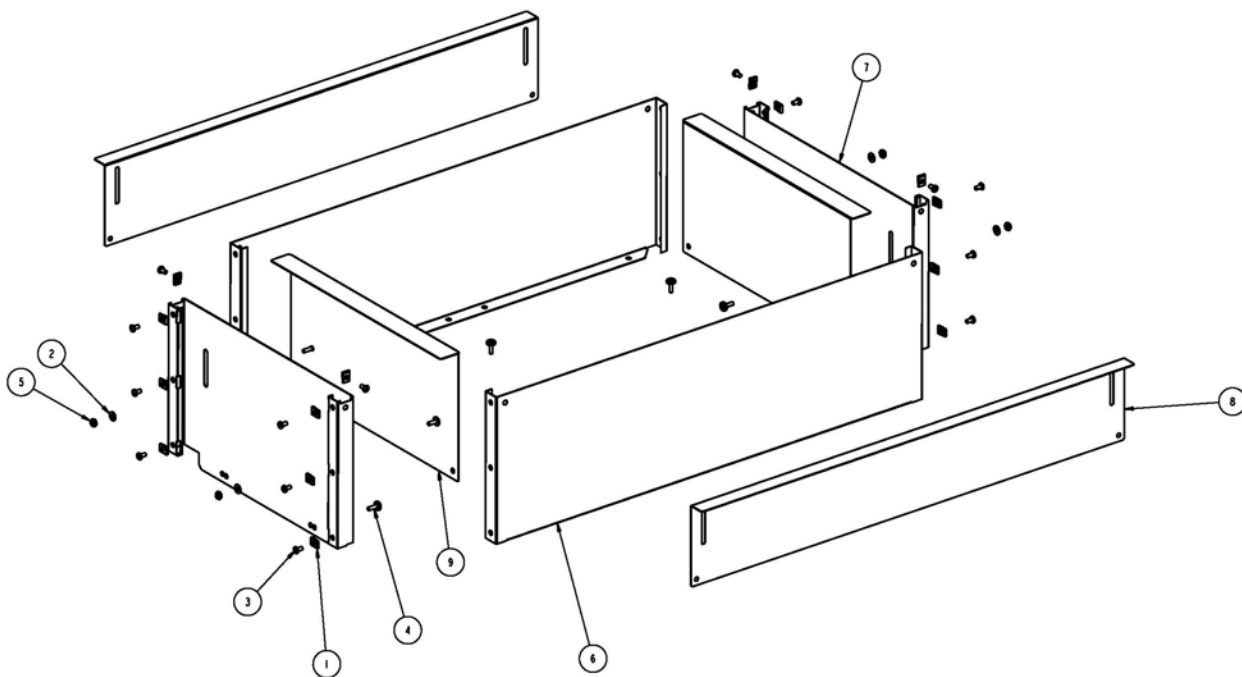
Refer to the following table for information on a specific topic.

Topic	See Page
Unpack the Box	4
Chimney Dimensions	5
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## Installing the HCS Chimney

### Unpack the Box

Before you begin the installation process, ensure that the following parts are included in your shipment. If any components are missing, please contact Technical Support at [dc.support@eaton.com](mailto:dc.support@eaton.com).



Components for Chimney Model 17501241

The following table lists the chimney components illustrated above along with the quantity of each component. Your components list may vary depending on the chimney model you ordered.

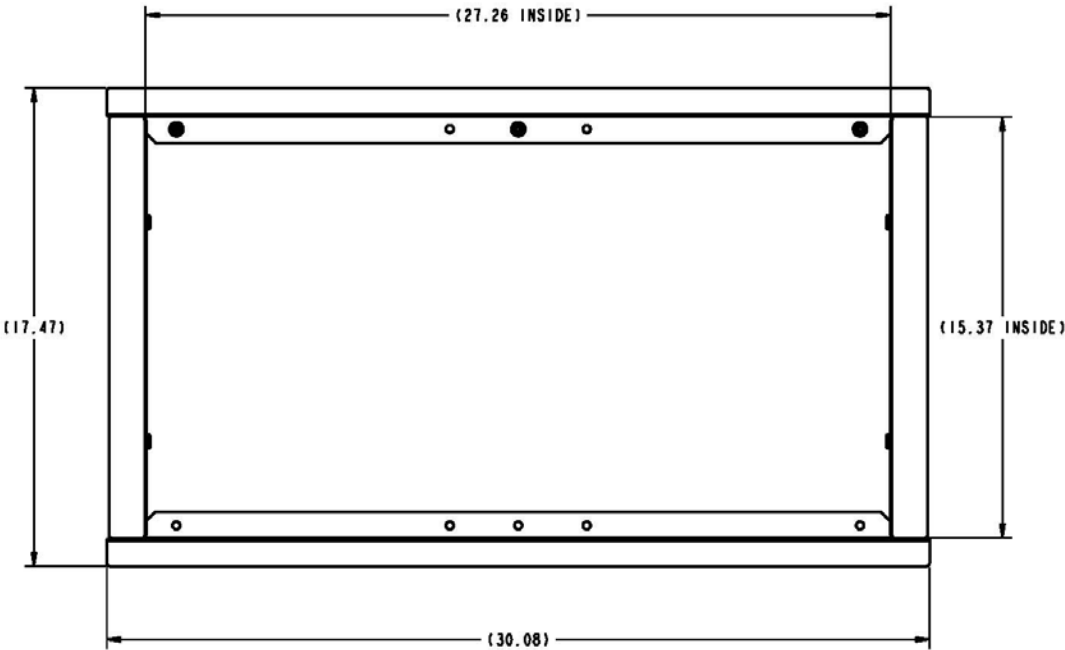
HCS Chimney Components			
Item	Part Number	Part	Qty
1	81615	"U" Type Nut	16
2	54225	#10, Flat Washer	4
3	66714	Pan Head Swageform Screw	16
4	87442	#10-32 Phillips Screw	7
5	93346	#10-32 Locknut, Nylon Insert	4
6	24123X	Chimney Side, Front and Rear	2
7	24124X	Chimney Side, Left and Right	2
8	24125X	Trim Angle, Front and Rear, 30" W	2
9	24126X	Trim Angle, Side Left and Right	2

**Chimney Dimensions for Model 17501241**

See the following diagrams for inside and outside chimney dimensions for model 17501241. Depending on the chimney model you ordered, the dimensions may vary from those shown here.

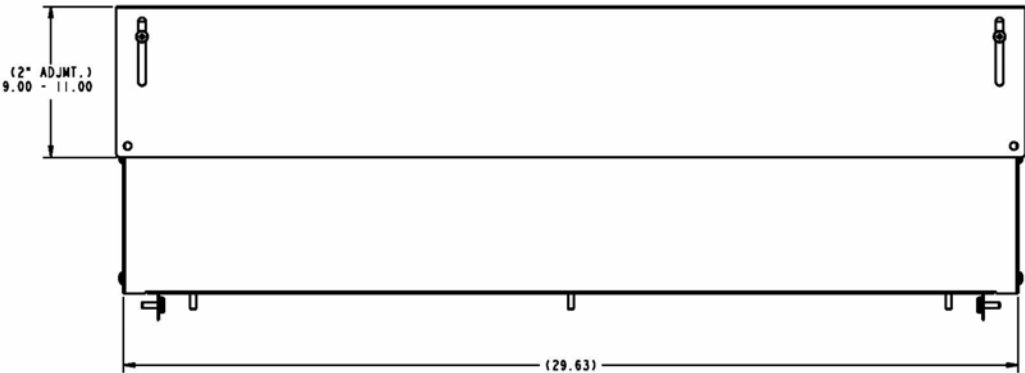
**Top View Inside and Outside Dimensions**

**Inside:** 27.26" W x 15.37" H  
**Outside:** 30.08" W x 17.47" H



**Front View Dimensions**

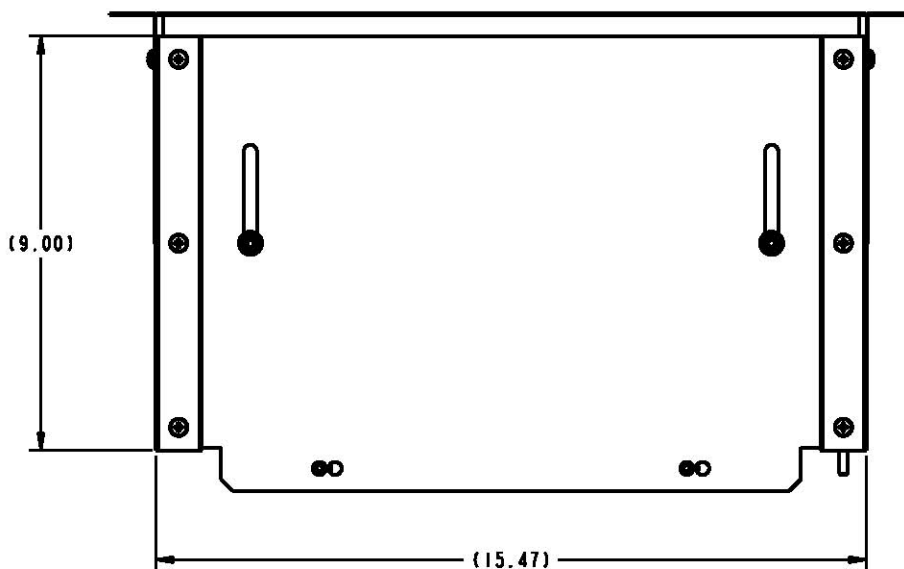
**Outside:** 29.63" W  
**Height:** Height varies based on model number. The model shown below includes a 2" adjustable piece



## Installing the HCS Chimney

### Chimney End Panel View Dimensions

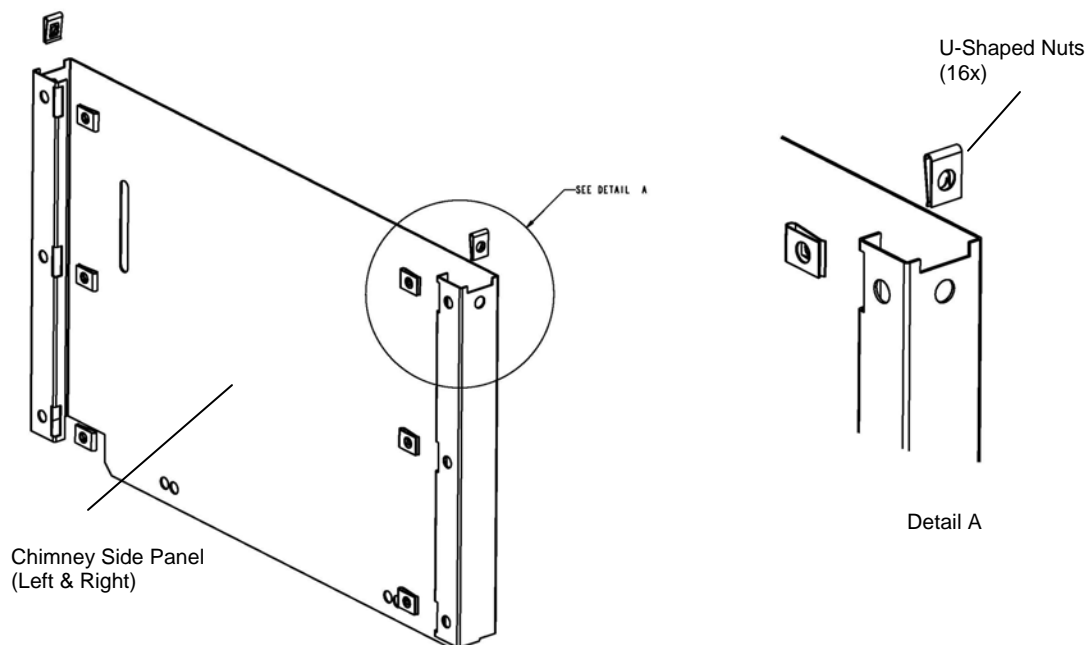
**Outside:** 15.47" W x 9.00" H



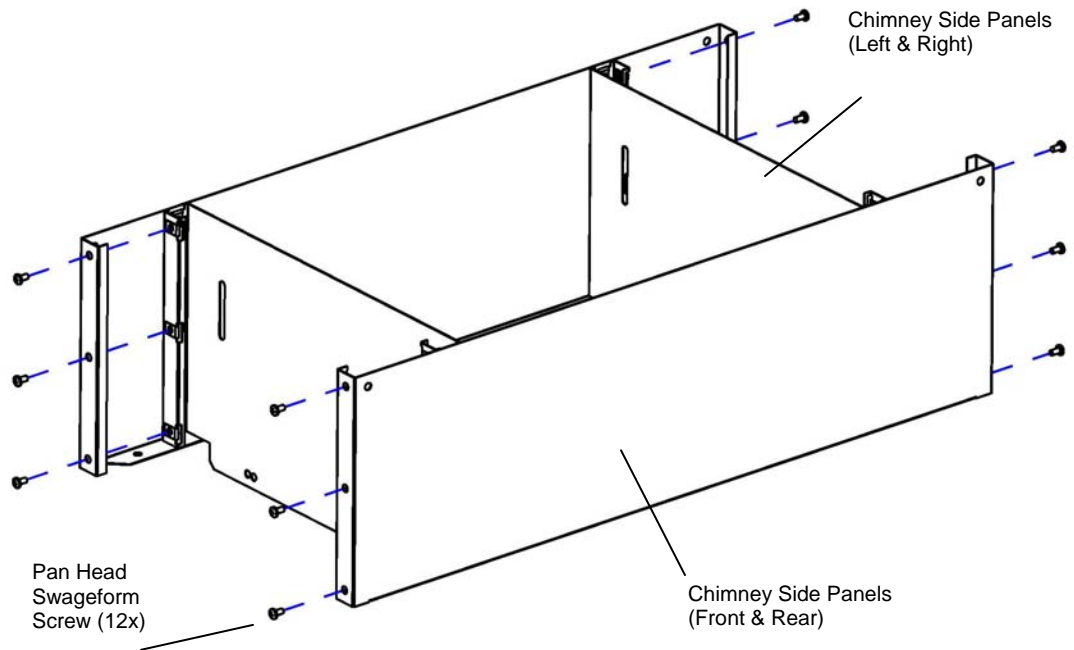
### Assemble the HCS Chimney

Follow these instructions to assemble the HCS Chimney on an existing HCS chimney base.

1. Insert eight U-shaped nuts (81615) into the slots in the chimney left side panel and eight in the right side panel (24124x) as shown below. In total, you need to install 16 U-shaped nuts.



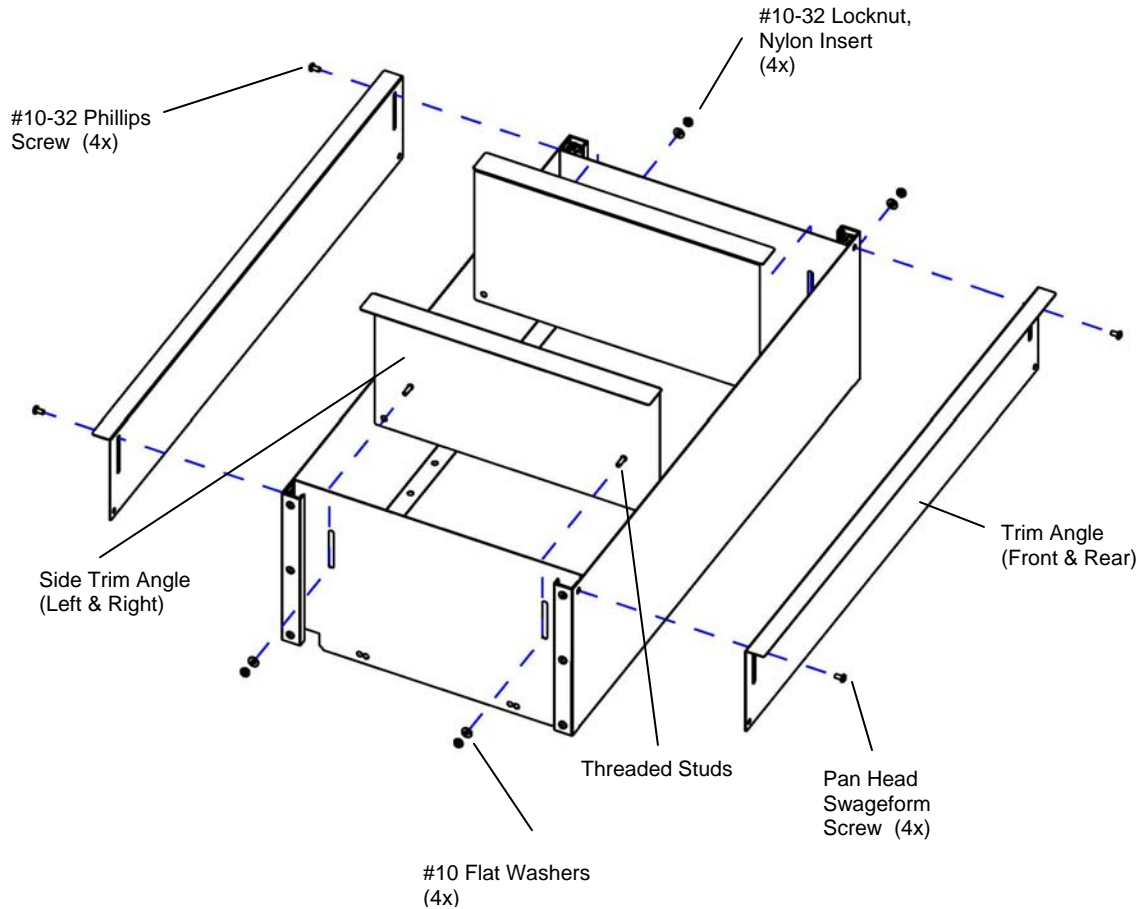
2. Assemble the front and rear chimney side panels (24123x) to the left and right chimney side panels (24124x) as shown. The flanges slide into the matching side panel flanges. The holes in the flanges must align.



3. Insert twelve (12) pan head swageform screws (66714) in the holes and tighten to secure the four panels together.

## Installing the HCS Chimney

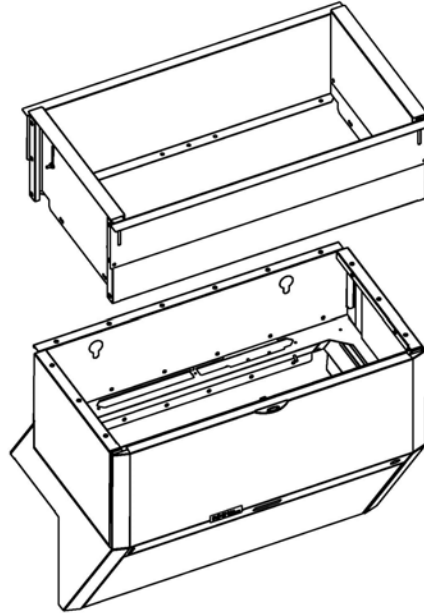
4. Assemble the left and right side trim angles (24126x) to the chimney as shown below and secure with four (4) #10 flat washers (54225) and four (4) #10-32 nylon insert locknuts (93346). Do not tighten locknuts at this time.
5. Assemble the front and rear trim angles (24125x) to the chimney as shown below.
6. Insert four (4) pan head swageform screws (66714) through the front and rear trim angles as shown below. Do not tighten at this time.



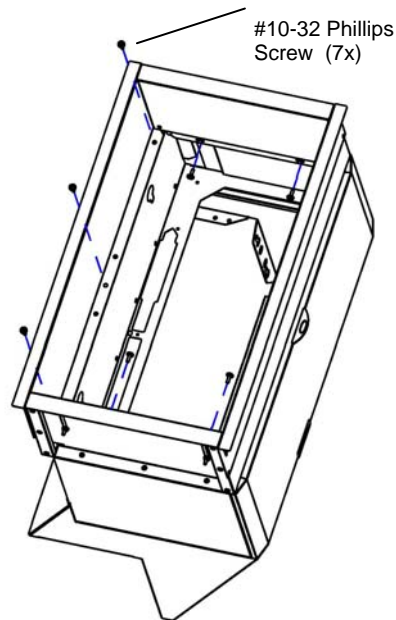
### Install the Chimney

Follow these instructions to install the chimney on an existing HCS chimney base.

1. Align the assembled chimney over the chimney base as shown on the following page. Lower the chimney until the holes in the end panels align with the threaded holes in the base.



2. From the interior of the chimney, insert seven (7) #10-32 Phillips screws (87442) through the holes in the chimney base and tighten as shown below.



3. Adjust the trim angles to the proper height and tighten all locknuts and screws. The chimney installation is now complete.





## Chapter 3 Service and Support

If you have any questions or problems with this product, contact us at:

### Technical Support

Send an email and detailed description of the problem as well as contact information to Technical Support at [to.support@eaton.com](mailto:to.support@eaton.com).

### Sales Representative

Contact your Eaton Sales representative by one of the methods below.

#### Phone

Call us toll free at 800.225.7348 (US Only) or 508.852.4300

#### Mail

Eaton  
160 Gold Star Boulevard  
Worcester, MA 01606

#### Email

InfoESWorcesterMA@Eaton.com

#### Web

Visit us at <http://www.wrightline.com> and click on “Contact Us.” Simply complete and submit the form as directed on our web site.

### Local US Representative

To find a sales representative in your area, visit our website at <http://www.eaton.com/wrightline.com>, and then click on “Contact your local rep for more information.” For US visitors, enter your zip code in the field and click on the Submit button.

### Worcester Office

Eaton  
160 Gold Star Blvd.  
Worcester, MA 01606  
Tel: 508-852-4300  
Toll Free: 800-225-7348  
Fax: 508-853-8904

### Latin America, Central/South America & The Caribbean

Carla Hauschildt  
Eaton  
HC20 Box 10723  
Juncos, PR 00777  
Tel: (787)547-2627  
Fax: (508)365-6042

## Service and Support

### International Distribution

#### Canada

TAB Technical Environments  
130 Sparks Avenue  
Willowdale, ON  
M2H 2S4  
Tel: 800-667-4020  
Fax: 888-257-5205

#### Europe

ICTroom Company BV  
Tokyostraat 27-29  
1175 RB Lijnden  
Postbus 9185  
1006 AD Amsterdam  
The Netherlands  
Tel: 31-(0)-20-820-3000  
Fax: 31-(0)-20-820-3010

#### Malaysia

Quantum Special Sdn Bhd  
2-2 Jalan USJ 1/1B, Regalia Business Centre  
47610 Subang Jaya  
Selangor, Malaysia  
Tel: 603-8023-3284  
Fax: 603-8023-4486

#### Mexico

Guillermo Garcia  
Global Technical Solutions de México  
Burdeos 37-602  
Col. Juárez  
México, D.F. 06600  
Tel. 52-55-5211-2622  
Tel. / Fax. 52-55-5286-7323

#### Singapore

Fablink Singapore Pte Ltd  
No 2 Woodlands Sector 1  
#03-09  
Woodlands Spectrum 1  
Singapore 738068  
Tel: 065-6555-0262  
Fax: 065-6453-1422

### Tokyo

Rinbard Co., Ltd.  
Jono Bldg. II 3F  
17-1 Nihonbashi-Odenmacho, Chuo-ku  
Tokyo 103-0011 Japan  
Tel: 81-3-5651-8123  
Fax: 81-3-5651-8170

### Documentation

For documentation pertaining to this product and related Eaton products, visit our website at <http://www.wrightline.com>.

To contact an Eaton salesperson  
or local distributor, please visit  
[www.eaton.com/wrightline](http://www.eaton.com/wrightline) or  
call 800-225-7348.



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